

that the request is for the multipath transmission control protocol (MPTCP) use, where the selecting of the second gateway avoids selection of the first gateway as the second gateway.

[0128] Referring also to FIG. 10, an example method may comprise receiving by a node a Management Object (MO) as indicated by block 112, where the MO comprises an indication that a network is prepared for multipath transmission control protocol (MPTCP) use, where the node comprises a first packet data network (PDN) connection; and based, at least partially, upon reception by the node of the indication, transmitting from the node a request for a second packet data network (PDN) as indicated by block 114.

[0129] The network may receive the request and, based at least partially upon transmission of the indication to the node, implicitly treats the request as a request for a duplicate PDN connection for MPTCP use.

[0130] Any combination of one or more computer readable medium(s) may be utilized as the memory. The computer readable medium may be a computer readable signal medium or a non-transitory computer readable storage medium. A non-transitory computer readable storage medium does not include propagating signals and may be, for example, but not limited to, an electronic, magnetic, optical, electromagnetic, infrared, or semiconductor system, apparatus, or device, or any suitable combination of the foregoing. More specific examples (a non-exhaustive list) of the computer readable storage medium would include the following: an electrical connection having one or more wires, a portable computer diskette, a hard disk, a random access memory (RAM), a read-only memory (ROM), an erasable programmable read-only memory (EPROM or Flash memory), an optical fiber, a portable compact disc read-only memory (CD-ROM), an optical storage device, a magnetic storage device, or any suitable combination of the foregoing.

[0131] In one example, the network may inform the UE about the selected gateway. However, this is not required. The network may select the gateway and then make the network transport tunnels, so that they appropriately terminate to the selected gateway. To the UE, the network may just signal success and other things described above such as the IP address configuration for example. For an example case where the UE selects the WLAN network, it is possible that the gateway becomes readily selected this way (by the UE). This is because the AP may be configured with a gateway, or if the IP configuration is received from a DHCP server, it may deliver the gateway address within the IP configuration.

[0132] An example method, apparatus, software or means may be configured to determine by a node if the node has a first packet data network (PDN) connection; and determine by the node whether a request for a second packet data network (PDN) connection is allowed based at least partially upon Access Network Discovery and Selection Function (ANDSF) type information. The method may further comprise sending the request with an explicit indication of a special type of connection for the second packet data network (PDN) connection. The method may further comprise, based on the ANDSF type information, sending the request without an explicit indication of a special type of connection for the second packet data network (PDN) connection in the request itself.

[0133] An example method, apparatus, software or means may be configured to determine if a node has a current first packet data network (PDN) connection, where the node is connected to an Access Point Name (APN) through the current first packet data network (PDN) connection; and connect the node to a second packet data network (PDN) connection, where the node is connected to the same Access Point Name (APN) through the second packet data network (PDN) connection.

[0134] An example method, apparatus, software or means may be configured to receive by a node a Management Object (MO), where the MO comprises an indication that a network is prepared for multipath transmission control protocol (MPTCP) use, where the node comprises a first packet data network (PDN) connection; and based, at least partially, upon reception by the node of the indication, transmit from the node a request for a second packet data network (PDN). The MO in the device may have been received from the configuration server such as ANDSF for example, but the device may have been pre-provisioned with the corresponding configuration data or Management Object. It may also be possible that such configuration is pre-provisioned in a Universal Integrated Circuit Card (UICC) (i.e. a smartcard also hosting a Universal Subscriber Identity Module (USIM) application). Thus, the Management Object (MO) may be received from a server, such as from a configuration server such as ANDSF for example, or the MO (or other corresponding configuration data, policy or management structure) may be pre-provisioned to the device or provisioned to the smartcard or a module hosting a subscriber identity application. Whatever the exact mechanism(s) of provisioning, the method, apparatus, software or means may be configured to receive may comprise any means of making a device aware of MPTCP related policies; among other such definitions.

[0135] It should be understood that the foregoing description is only illustrative. Various alternatives and modifications can be devised by those skilled in the art. For example, features recited in the various dependent claims could be combined with each other in any suitable combination(s). In addition, features from different embodiments described above could be selectively combined into a new embodiment. Accordingly, the description is intended to embrace all such alternatives, modifications and variances which fall within the scope of the appended claims.

1-37. (canceled)

38. A method comprising:

transmitting from a node a request for a packet data network (PDN) connection; and
indicating by the node that the PDN connection request is for a multipath transmission control protocol (MPTCP) use.

39. A method as in claim 38 where the node has a current first packet data network (PDN) connection when the request for a packet data network (PDN) connection is transmitted, and where the node is connected to an Access Point Name (APN) through the current first packet data network (PDN) connection and the node request for a packet data network (PDN) connection is to the same Access Point Name (APN).

40. A method as in claim 39 further comprising receiving by the node a message from a network indicating that the network allows establishing a PDN connection to the same APN.